

Abstract of the Invention

TIRE WITH SHOCK ABSORBING CLOSED CELL RUBBER
TREAD OF SPACED APART LUGS

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The invention relates to a pneumatic rubber tire having an outer, circumferential tread wherein said tread has a tread configuration comprised of significantly spaced apart, raised lugs designed to be shock absorbingly ground engaging. For such tire, it is
10 intended that, in the field, normally few tread lugs actually engage the ground at any one time in a manner that individual lugs have a relatively significant shock absorbing responsibility. Said tread and associated tread lugs are comprised of a shock dampening closed cellular rubber composition. The rubber for such cellular rubber composition for said tread of spaced apart lugs is comprised of conjugated diene-based
15 elastomers or comprised of elastomers selected from butyl rubber, halogenated butyl rubber or brominated copolymer of isobutylene and paramethylstyrene rubber. Said butyl rubber is a copolymer of isobutylene and a minor amount of a diene monomer such as isoprene. Preferably the rubber for the cellular tread rubber composition is an isobutylene copolymer. Thus, such tread is a combination of structural configuration of
20 spaced apart lugs together with a closed cellular rubber composition of selected elastomer(s) to create a shock absorbing effect for the tire tread lugs.